

Special Issue

Feature Papers in Biomaterials for Cancer Therapies

Message from the Guest Editor

This Special Issue aims to collect and highlight the special and multifold role of biomaterials in ameliorating cancer therapies, thus unveiling novel opportunities to treat and study this disease. Biomaterials offer an infinitely versatile platform of smart tools to be applied in such a complex pathologic scenario, including, but not limited to, biomaterial-based approaches (i.e., nano/micro particles and robots) for systemic or targeted delivery of single or combined chemo/bioactive factors, for imaging enhancement, and thermal ablation, as well as biomaterial-based percutaneous or implantable devices for the local administration of chemotherapy, for metastasis trap, or the induction of cancer-immunotherapy. In addition, the promising application of biomaterials to study cancers encompasses hydrogels and polymeric scaffolds to tissue engineer complex 3D in vitro models representative of the tumor microenvironment, and also supports cancer-on-chip technology to investigate drug performance in a personalized fashion.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The biomaterials field is one of the largest and fastest growing research areas both in the scientific community and in the industrial one. Biomaterials are the result of collaborations between different disciplines: chemistry, medicine, pharmacology, engineering and biology. The objective of this collaboration is to lead to the implementation of new devices to restore form and human body functions. The mission of the *Journal of Functional Biomaterials (JFB)* is to focus attention on physico-chemical characteristics and their importance in the interactions between biomaterials and living tissues. *JFB* seeks to publish studies on the preparation, performance and use of biomaterials in biomedical devices, as well as regarding their behavior in physiological environments. We are pleased to welcome you as our authors.

Editor-in-Chief

Prof. Dr. Pankaj Vadgama

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